

DATA SHEET
Hsa-miR-184 fluoresceinated oligo probe**Catalog No.**
HM184-100**Description**
One vial of 0.650 ml of probe in hybridization buffer**Analyte Specific Reagent. Analytical and performance characteristics are not established.**

Doc. No. 932-HM184-100

Rev. B

Date of release: 13-Aug-2020

Description

The Hsa-miR-184 probe has been designed from mature human miR-184 sequence. This fluoresceinated probe is provided in a hybridization buffer for localization of miRNA in FFPE tissue by *In Situ* hybridization.

Specifications

The Hsa-miR-184 identifies mature miR-184 sequences in formalin-fixed, paraffin-embedded human tissues and/or freshly prepared frozen tissues by *in situ* hybridization. This probe does not react with normal human mRNA or nuclear DNA present in tissues.

Storage and Handling

Store the reagent at 2-8 °C. Do not freeze. Do not use the reagent after expiration date on vial. The reagent must be brought to room temperature before use. (Important! The presence of precipitates induces background staining).

Precautions:

For professional use. The probe contains formamide. Formamide is classified as a teratogen. Pregnant workers should keep exposure to a minimum. Avoid inhalation, ingestion, and contact with unprotected skin. If skin contact occurs, wash thoroughly with soap and water. For more information, refer to the Material Safety Data Sheet, which is available upon request.

Quality Control

Each lot of this micro RNA probe is tested by *In Situ* hybridization for Quality Control purposes. Refer to the BioGenex Quality Control Testing Conditions table for additional information.

References

1. Cheng Z, Wang HZ, Li X, Wu Z, Han Y, Li Y, Chen G, Xie X, Huang Y, Du Z, Zhou Y. (2015) MicroRNA-184 inhibits cell proliferation and invasion, and specifically targets TNFAIP2 in Glioma. *J Exp Clin Cancer Res.* 34:27.
2. Foley NH, Bray IM, Tivnan A, Bryan K, Murphy DM, Buckley PG, Ryan J, O'Meara A, O'Sullivan M, Stallings RL. (2010) MicroRNA-184 inhibits neuroblastoma cell survival through targeting the serine/threonine kinase AKT2. *Mol Cancer.* 9:83.
3. Wong TS, Liu XB, Wong BY, Ng RW, Yuen AP, Wei WI. (2008) Mature miR-184 as Potential Oncogenic microRNA of Squamous Cell Carcinoma of Tongue. *Clin Cancer Res.* 14:2588-2592.
4. Liu Z, Mai C, Yang H, Zhen Y, Yu X, Hua S, Wu Q, Jiang Q, Zhang Y, Song X, Fang W. (2014) Candidate tumour suppressor CCDC19 regulates miR-184 direct targeting of C-Myc thereby suppressing cell growth in non-small cell lung cancers. *J Cell Mol Med.* 18:1667-1679.

BioGenex Quality Control Testing Conditions

Parameter	Conditions used
Control Tissue	BCC (FB-HM184)
Tissue Type	Formalin-fixed, paraffin-embedded cancer tissues